Exercise 1 *Let functions r and s be defined by the table below.*

t	-4	-3	-2	-1	0	1	2	3	4
$r(t)$	4	1	2	3	0	-3	2	-1	-4
$s(t)$	-5	-6	-7	-8	0	8	7	6	5

Problem 1.1 *Determine:*

- $(s \circ r)(3) = \boxed{-8}$
- $(s \circ r)(-4) = \boxed{5}$
- $(s \circ r)(0) = \boxed{0}$

Problem 1.2 *Select all the values that are in the domain of r.*

Select All Correct Answers:

(a) -8

(b) -7

(c) -6

(d) -5

(e) -4 ✓

(f) -3 ✓

(g) -2 ✓

(h) -1 ✓

(i) 0 ✓

(j) 1 ✓

(k) 2 ✓

(l) 3 ✓

(m) 4 ✓

(n) 5

(o) 6

(p) 7

(q) 8

Problem 1.3 *Select all the values that are in the domain of s.*

Select All Correct Answers:

(a) -8

(b) -7

(c) -6

(d) -5

(e) -4 ✓

(f) -3 ✓

(g) -2 ✓

(h) -1 ✓

(i) 0 ✓

(j) 1 ✓

(k) 2 ✓

(l) 3 ✓

(m) 4 ✓

(n) 5

(o) 6

(p) 7

(q) 8

Problem 1.4 *Select all the values that are in the range of r.*

Select All Correct Answers:

(a) -8

(b) -7

(c) -6

(d) -5

(e) -4 ✓

(f) -3 ✓

(g) -2 ✓

(h) -1 ✓

(i) 0 ✓

(j) 1 ✓

(k) 2 ✓

(l) 3 ✓

(m) 4 ✓

(n) 5

(o) 6

(p) 7

(q) 8

Problem 1.5 *Select all the values that are in the range of s.*

Select All Correct Answers:

(a) -8 ✓

(b) -7 ✓

(c) -6 ✓

(d) -5 ✓

(e) -4

(f) -3

(g) -2

(h) -1

(i) 0 ✓

(j) 1

(k) 2

(l) 3

(m) 4

(n) 5 ✓

(o) 6 ✓

(p) 7 ✓

(q) 8 ✓

Problem 1.6 *Select all the values that are in the domain of $s \circ r$.*

Select All Correct Answers:

(a) -8

(b) -7

(c) -6

(d) -5

(e) -4 ✓

(f) -3 ✓

(g) -2 ✓

(h) -1 ✓

(i) 0 ✓

(j) 1 ✓

(k) 2 ✓

(l) 3 ✓

(m) 4 ✓

(n) 5

(o) 6

(p) 7

(q) 8

Problem 1.7 *Select all the values that are in the domain of $r \circ s$.*

Select All Correct Answers:

(a) -8

(b) -7

(c) -6

(d) -5

(e) -4

(f) -3

(g) -2

(h) -1

(i) 0 ✓

(j) 1

(k) 2

(l) 3

(m) 4

(n) 5

(o) 6

(p) 7

(q) 8